Code No: CT1501   **R14**

I B.Tech. II Semester Regular Examinations, June 2015
PROBLEM SOLVING USING C
(Electrical & Electronics Engineering)

Time: 3 Hours   **Max. Marks: 60**

Note: All Questions from Part A are to be answered at one place.

     Answer any Four Questions from Part B.

PART-A
                                                     6×2 = 12M

1. Explain about local static variable with an example.

2. Explain about goto statement.

3. Explain about strcmp function.

4. Explain about pointer with suitable example.

5. Write c language statement to illustrate Passing Structure Members to Functions.

6. What is the use of getc() function?

PART-B
                                                     4×12 = 48M

1. a) What are different types of operators available in C? Explain. (6M)

    b) Explain about Operator precedence and associativity rules with suitable examples. (6M)

2. a) Explain loop control structures with an example. (6M)

    b) Write a c program to check whether the number is prime or not. (6M)

3. a) Write a c program to find maximum element in an array. (6M)

    b) Write a c program to compare two strings without using string handling functions. (6M)

4. a) Write a C program to illustrate call by reference. (6M)

    b) Write a recursive function to generate Fibonacci series. (6M)

5. a) Explain about union. Write a C program to illustrate Unions. (6M)

    b) Explain about array of structures with example. (6M)

6. a) Write a C program to illustrate any five file handling functions. (6M)

    b) Write a program to count number of lines, words, characters in a file. (6M)

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